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MONTANA OIL AND GAS STATISTICAL BULLETIN

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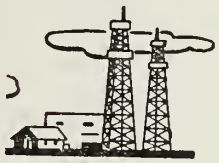

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OIL AND GAS CONSERVATION COMMISSION

SECURITIES BLDG.

HELENA, MONTANA

VOL. VIII, No. 2 McKEE PRINT. February, 1960

Production of crude oil and condensate from the oil and gas areas of Montana for the month of February, 1960, averaged 85,031 barrels daily, an increase of 2,570 barrels from the average January production of 82,461.

The ten refineries in the State processed 74,836 barrels of crude oil daily for the month of February, 1960, a decrease of 694 barrels daily from the 75,530 barrels processed daily during the month of January, 1960.

During February, 11 wells were completed, 6 oil, 0 gas wells and 5 dry holes.

During February, the Commission issued 14 permits to drill new wells, the same number issued during January.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING STORAGE, ETC., IN MONTANA

MONTH OF FEBRUARY, 1960

IN STORAGE FEBRUARY 1st:	
By Producers	378,126
By Transporters	638,670
By Refiners	588,163
TOTAL STORAGE	1,604,959
Produced in Montana During Month	2,465,899
Imported During Month	1,619,004
TOTALS	5,689,862
DISPOSITION:	
Refined in Montana	2,170,265
Exported	1,873,626
Used for Fuel or Lost	4,803
TOTAL	4,048,694
IN STORAGE FEBRUARY 29th:	
By Producers	384,636
By Transporters	611,197
By Refiners	645,335
TOTAL STORAGE	1,641,168

NATURAL GAS WITHDRAWALS IN MONTANA

Month of February, 1960

Field	M Cu. FT.
Bears Den	0
Big Coulee	104,826
Bowdoin	757,161
Bowes	128,912
Box Elder	0
Cabin Creek	84,225
Cedar Creek	542,793
Clarks Fork	95,415
Cut Bank (Including Reagan)	1,139,962
Devon	0
Dry Creek	184,730
Elk Basin	70,651
Flat Coulee	22,387
Golden Dome	3,070
Grandview	0
Hardin	3,030
Keith Block	227,319
Kevin Sunburst	132,603
Pine	80,354
Plevna	15,370
Utopia	98,444
Whitlash	116,456
Miscellaneous	66,540
TOTAL	3,874,248

Total Withdrawals for February, 1959 were 4,209,487 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF FEBRUARY, 1960

Leases Operated	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	840	2,565	.....	2,595	.....	810
5	Bannatyne	10	2,658	1,461	.....	1,084	.....	3,035
1	Belfry	1	278	11,146	.....	10,947	.....	477
8	Big Wall	23	3,491	20,499	.....	20,559	.....	3,431
11	Blackfoot	16	4,974	9,024	.....	10,040	.....	3,958
3	Border	5	.....	382	.....	382	.....	.....
20	Bowes	80	4,434	22,933	22,417	.....	.....	4,950
1	Bredette	1	1,096	390	.....	.....	.....	1,486
2	North Bredette	2	2,372	3,029	3,760	.....	.....	1,641
3	Brorson	3	2,214	3,209	1,303	.....	.....	4,120
2	Cabin Creek	92	7,626	342,081	342,017	.....	.....	7,690
25	Cat Creek	89	5,095	11,306	6,454	4,872	.....	5,075
1	Clark's Fork	1	303	171	.....	.....	.....	474
2	Clark's Fork North	4	3,903	15,007	.....	15,406	.....	3,504
1	Cupton	2	1,532	1,693	1,337	.....	.....	1,888
364	Cut Bank	1,156	127,741	165,563	161,846	.....	64	131,394
3	Deer Creek	6	2,528	14,921	14,305	.....	.....	3,144
4	Delphia	4	1,526	4,017	.....	4,253	.....	1,290
....	Devil's Basin	....	1,018	.....	.....	.....	.....	1,018
5	Dry Creek	5	923	2,774	2,521	.....	.....	1,176
19	Elk Basin	59	3,328	264,367	263,971	.....	.....	3,724
....	Fertile Prairie	....	1,584	.....	.....	.....	.....	1,584
2	Frannie	2	363	1,927	1,867	.....	.....	423
2	Gage	2	809	1,533	.....	1,185	.....	1,157
4	Gas City	11	4,868	15,331	15,709	.....	.....	4,490
6	Glendive	12	6,055	38,302	40,123	.....	.....	4,234
4	Gypsy Basin	4	1,414	680	.....	540	66	1,488
1	Hawk Creek	1	618	140	.....	327	.....	431
6	Ivanhoe	13	4,300	21,227	.....	20,929	.....	4,598
181	Kevin Sunburst	1,281	17,978	61,266	61,437	.....	.....	17,807
1	Line Coulee	1	1,250	325	.....	.....	.....	1,575
1	Little Beaver	7	1,564	16,202	15,440	.....	.....	2,326
5	East Little Beaver	8	3,869	20,994	21,723	.....	.....	3,140
4	Melstone	9	2,020	3,755	.....	2,877	.....	2,898
5	Monarch	10	3,000	22,051	21,113	.....	.....	3,938
3	Mosser	5	471	300	.....	300	.....	471
7	Outlook Area	11	7,231	47,137	47,486	.....	.....	6,882
3	South Outlook	3	2,036	4,758	4,526	.....	.....	2,268
10	Pennel	21	8,088	42,598	42,909	.....	.....	7,777
5	Pine	139	16,661	403,193	404,345	.....	.....	15,509
73	Pondera	330	9,069	38,467	39,202	.....	87	8,247
6	East Poplar	91	23,167	277,745	280,131	.....	.....	20,781
3	Northwest Poplar	4	1,328	2,027	2,306	.....	.....	1,049
4	Ragged Point	9	3,559	14,413	.....	14,595	.....	3,377
....	Rattlesnake Butte	....	116	.....	.....	.....	.....	116
4	Reagan	50	3,671	15,306	16,308	.....	.....	2,669
10	Red Creek	17	5,196	29,991	.....	30,312	.....	4,875
1	Redstone	1	288	305	340	.....	.....	253
1	Repeat	1	787	3,027	3,454	.....	.....	360
9	Richey	13	6,374	18,032	17,913	.....	.....	6,493
5	Sand Creek	6	4,221	35,376	36,012	.....	.....	3,585
1	Sheridan County	1	464	1,999	.....	1,849	.....	614
2	Snyder	4	677	1,724	.....	1,469	.....	932
5	Soap Creek	18	1,682	6,142	.....	4,116	.....	3,703
2	Southwest Richey	2	2,116	7,441	7,928	.....	.....	1,629
9	Stensvad	24	10,255	172,079	166,417	.....	.....	15,917
28	Sumatra	83	20,914	170,607	160,520	11,517	.....	19,484
4	Sweetgrass Hills	4	509	608	.....	366	.....	751
7	Whitlash	32	12,960	3,451	2,511	1,794	.....	12,106
6	Wills Creek	12	3,760	33,388	33,054	.....	.....	4,094
9	Wolf Springs	18	3,259	33,014	31,807	.....	.....	4,466
2	Woodrow	2	967	2,500	2,346	.....	.....	1,121
....	Yellowstone	....	728	.....	.....	.....	.....	728
922		3,825	378,126	2,465,899	2,296,858	162.314	217	384,636

Total Oil Produced and Shipped from Lease	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1959	29,857,226	81,800	29,815,632	81,686
January, 1960	2,556,303	82,461	2,538,706	81,893
February, 1960	2,465,899	85,031	2,459,172	84,799

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1959	362,849	645,661	619,430	1,627,940
January, 1960	378,126	638,670	588,163	1,604,959
February, 1960	384,636	611,197	645,335	1,641,168

*Includes Wyoming Oil.

TRANSPORTERS REPORT

MONTH OF FEBRUARY, 1960

	Storage First of Month	OIL RECEIVED BY Pipeline	Truck	Connecting Carrier	Loss or Gain	OIL SHIPPED TO Montana	Other States	Connecting Carrier	Storage End of Month
ASH CREEK—Truck			2,595				2,595		
BANNATYNE—Truck			1,084			1,084			
BELFRY—Truck			10,947			10,947			
BIG WALL—Truck			20,559			20,559			
BLACKFOOT—Union Oil Co			10,040			10,040			
BORDER—Truck			382			382			
BOWES—									
Trigood Oil Co.	3,091	2,896			5	3,010			2,972
Texaco Inc.		19,521				19,521			
	3,091	22,417			5	22,531			2,972
BRORSON—Sun Oil Company		1,303					1,303		
CABIN CREEK & OTHERS*									
Butte Pipe Line Co.	326,853	919,758		471,942			1,404,333		314,220
Shell Pipe Line Corp.	3,319	117,710			(1,711)			120,803	1,937
	330,172	1,037,468		471,942	(1,711)		1,404,333	120,803	316,157
CAT CREEK—									
Continental Pipe Line Co.	3,748	6,454			(1,546)	6,481			5,267
Truck			4,872			4,872			
	3,748	6,454	4,872		(1,546)	11,353			5,267
CLARK'S FORK—Truck			15,406				15,406		
CUT BANK—									
Big West Oil Co.		388		29,224		29,612			
Darling Gathering System, Inc.	1,666	4,955						4,947	1,674
Phillips Petroleum Co.	31,568	48,744		9,475	904	62,009		4,290	22,584
Texas Pipe Line Co.	46,958	26,625		23,457	458	16,147		33,029	47,406
Toronto Pipe Line Co.	18,109	41,218			(48)			40,863	18,512
Union Oil Co.	104,953	41,178		15,827	900	80,683			80,375
	203,254	163,108		77,983	2,214	188,451		83,129	170,551
DELPHIA—Truck			4,253			4,253			
DRY CREEK—Ohio Oil Co.	9,027	2,521			168	3,487			7,893
ELK BASIN—Ohio Oil Co.		263,971					263,971		
FRANNIE—Ohio Oil Co.		1,867					1,867		
GAGE—Truck			1,185			1,185			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
The Texas Pipe Line Co.	12,377	90,050			623		67,845	18,262	15,697
GYPSY BASIN—Truck			540			540			
HAWK CREEK—Truck			327				327		
IVANHOE—Truck			20,929			433	20,496		
KEVIN-SUNBURST—									
Big West Oil Co.	2,130	35,935				35,910			2,155
Homestake Oil & Gas Co.	560	2,185		4,956		6,464			1,237
The Texas Pipe Line Co.	4,077	32,613			771	31,842			4,077
	6,767	70,733		4,956	771	74,216			7,469
MELSTONE—Truck			2,877			2,877			
MOSSER—Truck			300				300		
PONDERA—Phillips Petr. Co.	17,598	40,819		3,020	316	42,981			18,140
POPLAR, BREDETTE, OUTLOOK, LINE COULEE, REDSTONE, RICHEY & SOUTH OUTLOOK—									
East Poplar Gathering System	15,866	348,684			307			335,900†	28,343
RAGGED POINT—Truck			14,595			14,595			
REAGAN—Union Oil Co.		16,308				16,308			
RED CREEK—Truck			30,312			10,477	19,835		
SNYDER—Truck			1,469				1,469		
SOAP CREEK—Truck			4,116			1,802	2,314		
SUMATRA AND STENSVAD—									
Powder River Pipe Line Inc.	25,134	326,909			2,783	264,031	58,199		27,030
Truck			11,517				11,517		
	25,134	326,909	11,517		2,783	264,031	69,716		27,030
SWEETGRASS HILLS—Truck			366			366			
WHITLASH—									
Homestake Oil & Gas Co.	3			2,888		2,886			5
Western Natural Gas Co.	1,974	2,511						2,695	1,790
Truck			1,794			1,794			
	1,977	2,511	1,794	2,888		4,680		2,695	1,795
WOLF SPRINGS—									
Powder River Pipe Line Co.	9,659	31,934			(284)	31,994			9,883
UN-NAMED—Sheridan County Truck			1,849				1,849		
TOTALS	538,670	2,427,057	162,314	560,789	3,646	739,572	1,873,626	560,789	611,197

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, East Little Beaver, Monarch, Pennel, Pine, Repeat, Richey, Southwest Richey and Wills Creek Fields.

†Transferred to Butte Pipe Line Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF FEBRUARY, 1960

Field	Big West Oil Co.	Humble Oil & Refining Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Jet Fuel Refinery	Phillips Petro. Co.	Texaco Inc.	Texstar Corporation	Union Oil Co.	Total
Blackfoot										9,189	9,189
Border	383										383
Bowes				12,594							12,594
Cat Creek			4,323		1,863	3,465					9,651
Cut Bank	27,108						62,009			69,577	158,694
Delphia						3,548					3,548
Dry Creek					2,297						2,297
Elk Basin		132,588	59,602								192,190
Gage						1,010					1,010
Ivanhoe						6,709					6,709
Kevin Sunburst	38,819										38,819
Melstone					5,137						5,137
Pondera							41,713				41,713
Reagan										16,309	16,309
Soap Creek									1,802		1,802
Sumatra		165,327			138,285						303,612
Sweetgrass Hills	366										366
Whitlash										1,620	1,620
Wolf Springs		36,498									36,498
Total Montana Oil	66,676	334,413	63,925	12,594	147,582	14,732	103,722		1,802	96,695	842,141
Canadian Oil Imported										1,496	1,496
Wyoming Oil Imported		601,262	305,653		419,713						1,326,628
TOTAL Montana, Canadian and Wyoming Oil	66,676	935,675	369,578	12,594	567,295	14,732	103,722		1,802	98,191	2,170,265

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	TOTAL
Year, 1959	29,898	.11	41,483	71,392
February, 1959	25,702	....	45,344	71,046
February, 1960	29,039	52	45,745	74,836

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
41.87%	.03%	58.10%
36.18%	....	63.82%
38.80%	.08%	61.12%